

Converting Colors

Hex(002102)

Have a look what the booklet for
Hex(002102) contains.

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Color

Hex(002102)

Conversions

Conversions Part 1

Format	Color
Hex	002102
RGB	0, 33, 2
RGB Percent	0%, 13%, 1%
CMY	1.0000, 0.8706, 0.9922
CMYK	1.00, 0.00, 0.94, 0.87
HSL	124°, 100%, 6%
HSV	124°, 100%, 13%
XYZ	0.5548, 1.0921, 0.2390
YIQ	19.5990, -9.7170, -16.6370

Conversions

Conversions Part 2

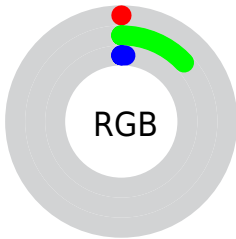
Format	Color
RYB	0, 31, 33
Decimal	8450
CIELab	9.74, -19.24, 13.37
CIELCh	10, 23.428, 145.207
Yxy	1.0921, 0.2942, 0.5791
Android (android.graphics.Color)	4278198530 (0xFF002102)
YUV	19.5990, -8.6763, -17.1883
Hunter-Lab	10.4503, -8.8114, 5.9594

Details

The Hex color **002102** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **21001F**, and the grayscale version is **141414**.

A 20% lighter version of the original color is **2C4D31**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002102**, and if you desaturate by 10%, it is **032105**.

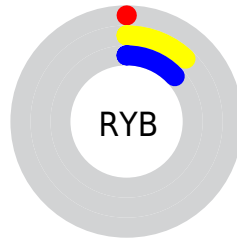
Distribution



Red (0%)

Green (13%)

Blue (1%)



Red (0%)

Yellow (12%)

Blue (13%)

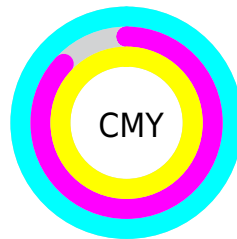


Cyan (100%)

Magenta (0%)

Yellow (94%)

Black (87%)



Cyan (100%)

Magenta (87%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002102 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 002102 by changing the saturation by 10% instead.

 002102

 002102

 E1FFE4

 000000

 2C4D31

 446647

 5C7F5F

 759978

 8FB492

 AACFAC

 C5ECC7

 002102

■ 032105

■ 072108

■ 0A210B

■ 0D210E

■ 112112

■ 142115

■ 172118

■ 1A211B

■ 1E211E

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



171E00



002102



002318

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



002102



001E3A



370C0C

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



002102



21001F

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



350B1E



002102



151838

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



002102



002135



2B102D



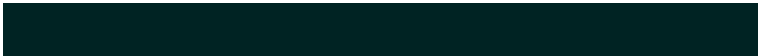
311300

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



002102



002323



2B102D



370B13

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



002102



1E2B1F



1F2100



0F170F



969696



171717

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



002102



002B03



002112



0E0F0E



004F05



00CF0D

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21001F



2B0029



21000F



0F0E0F



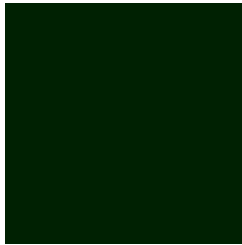
4F004A



CF00C2

Previews

White Background



This preview shows how the Hex color 002102 looks on a white background.

Color Contrast Check

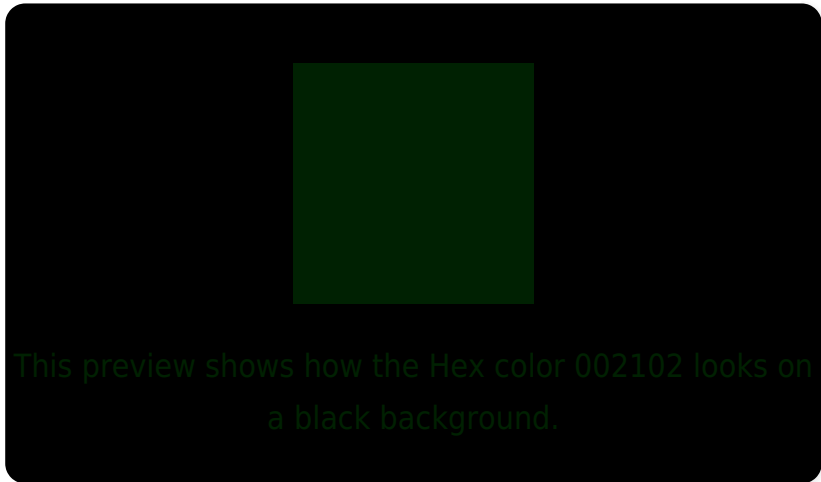
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 002102 Background



This preview shows how black text looks on a background with the Hex color 002102.



This preview shows how white text looks on a background with the Hex color 002102.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
002102

Protanopia
201C00

Deuteranopia
231B07



Tritanopia
0E1F21

Trichromacy



Original Color
002102

Protanomaly
141E01

Deuteranomaly
161D05

Tritanomaly
092016

Monochromacy



Original Color
002102

Achromatopsia
141414

Achromatomaly
0D190D

CSS Examples

Text

The CSS property to change the color of the text to Hex 002102 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #002102 looks like.

```
.text, #text, p{  
    color:#002102  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #002102 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002102
}
```

Border

The CSS property to change the border of an element to Hex 002102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

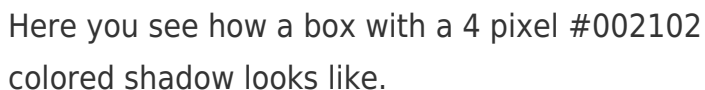
```
.border, #border, table{ border:4px solid
#002102 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#002102 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #002102 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002102; -webkit-box-shadow:4px 4px  
4px 4px #002102; box-shadow:4px 4px 4px  
4px #002102 }
```

Background

The CSS property to change the background color of an element to Hex 002102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002102 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#002102 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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